

## WHAT IS CLAIMED IS:

1. A cleansing polyester fabric, which comprises ( i ) a polyester multifilament consisting of ultra yarns (monofilament fibrils) of 0.001 to 5 0.1 deniers or its false twist yarn as warp and ( ii ) a false twisted mixing yarn consisting the polyester multifilament consisting of ultra yarns (monofilament fibrils) of 0.001 to 0.1 deniers and a high shrinkage polyester multifilament with 10~50% of shrinkage rate in boiling water as weft, and the fabric satisfies the following properties ;
  - 10 - Sum of warp density and weft density : 220~320 yarns/inch
  - Thickness of the fabric : less than 0.3 mm
  - Weight of the fabric : 70~180 g/m<sup>2</sup>
2. The cleansing polyester fabric of claim 1, wherein the fabric 15 weave is a plain weave or twill weave.
3. The cleansing polyester fabric of claim 1, wherein the fabric consists (I) a ground weave, such as a plain weave or twill weave, and (II) a pattern forming weave of a figured weave.
- 20 4. The cleansing polyester fabric of claim 1, wherein the ultra fine yarns (monofilament fibrils) of the warp and weft are cross-linked to one another, being distributed and spread, as the surface of the fabric is

treated by a friction material.

5. A process of preparing a cleansing polyester fabric, wherein a fabric with weight of 80~200 g/m<sup>2</sup> is woven by using a sea-island type conjugated yarn with 0~10% of shrinkage rate in boiling water consisting of sea component and island component in which ultra fine yarns (monofilament fibrils) having a monofilament fineness of 0.001 to 0.1 deniers after extracting a sea component or its false twist yarn as warp and using a false twisted mixing yarn prepared by interlacing (folding and 10 false twisting simultaneously) the sea-island type conjugated yarn and a high shrinkage polyester multifilament with 10~50% of shrinkage rate in boiling water as weft, the woven fabric being scoured and reduced simultaneously and then heat-set, the heat-set fabric being treated in an aqueous alkaline solution for extracting the sea component in the fabric 15 with reduction rate of 28~38% (on the basis of the fabric weight) and dyed, the dyed fabric being heat-set again.

6. The process of claim 5, wherein the warp and weft are woven into a plain weave or twill weave.

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7. The process of claim 5, wherein the fabric consists (I) a ground weave, such as a plain weave or twill weave, and (II) a pattern forming weave of a figured weave.

8. The process of claim 5, wherein the surface of the fabric is surface-treated by rubbing the same with a roller, a disc or an apron with a friction material attached thereto.

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9. The process of claim 5, wherein the fabric is preheated and post-heated at 120 to 170°C before and after dyeing.

10. The process of claim 5, wherein weight of the heat-set fabric is  
10 70~180 g/m<sup>2</sup>.